Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Monday 16 Jan 2023 until 23:59 on Tuesday 17 Jan 2023

Forecast Issued on Sunday 15 Jan 2023 at 11:06

Confidence: High for colder, generally settled start, but lowering for detail of transition to less cold conditions in the outlook period.

Headline for Monday 16 Jan 2023: Cold but largely dry and bright, but severe chill effect.

Mountain weather hazards on Monday 16 Jan 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** No Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light snow	Mist	Partly cloudy (night)	Sunny	Sunny	Sunny	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability							
70%	20%	<05%	00%	<05%	<05%	<05%	<05%

Forecast for Monday 16 Jan 2023

Weather: Rather cloudy at first overnight with showers or longer periods of snow, rain below 300m, however dry and clear conditions feeding from the north before dawn. Vast majority staying dry through the day with prolonged periods of weak winter sunshine, however the odd light snow shower may appear across western most areas of the park for the afternoon and evening.

Chance of cloud-free hill tops above 800m: By day virtually 100%

Low cloud and visibility: Very good or excellent, perhaps briefly very poor in any later snow showers that appear in the far west.

Check our weather forecast every day to get the most accurate and up to date information
http://www.metoffice.gov.uk/public/weather/mountain-forecast
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Mountain Weather Forecast

Forecast for Monday 16 Jan 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	11/14 NE	19/24 N	20/26 N	21/26 N	19/24 NW	16/21 NW	14/19 W	13/16 NW	11/15 NW
600	8/12 NE	13/18 N	15/23 N	13/19 N	12/18 NW	12/18 W	13/20 W	9/14 W	8/12 W
300	4/10 N	7/18 N	7/18 N	5/18 N	6/16 NW	5/15 NW	5/14 W	4/12 NW	4/10 NW
Valley	5/12 N	10/21 N	9/20 N	8/19 N	8/18 NW	6/15 NW	5/13 NW	4/10 NW	4/10 NW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-4/-9	-4/-12	-6/-15	-7/-15	-7/-14	-6/-13	-6/-14	-7/-14	-7/-13
600	-2/-6	-3/-8	-4/-11	-6/-12	-4/-10	-3/-9	-4/-11	-6/-11	-5/-10
300	0/-2	-1/-4	-2/-6	-4/-8	-2/-5	-1/-4	-3/-6	-4/-7	-4/-6
Valley	3/1	2/-2	0/-4	-1/-4	2/-2	2/-0	1/-2	0/-2	0/-2
Freezing Level*	400m	200m	00m	00m	00m	00m	00m	00m	00m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Severe wind chill, marked at height

Forecast for Tuesday 17 Jan 2023

Weather: Similar to Monday, wintery cold but largely dry with prolonged periods of weak sunshine. Again the odd light snow shower may appear across western most areas of the park.

Maximum wind: West or northwest 15mph or less

Chance of cloud-free hill tops above 800m: Virtually 100%

Low cloud and visibility: Very good or excellent, perhaps briefly very poor in any snow showers that appear in the far west.

Temperature: **Valleys:** Minus 8 Celsius increasing plus 1 Celsius during the afternoon
At 800m: Minus 6 or 7 Celsius
Freezing level: At or near surface

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Sunday 15 January Location: Helvellyn summit at 13:13 Full report: A very windy night gave way to a fine, cold day with moderate winds and plenty of sunshine outside of any lingering cloud. Fresh snowfall overnight has settled down to roughly 500m. The depth of the snow generally increases with height, with roughly 2 inches being the average at lower elevations. However, distribution is varied, ranging from very little over high and exposed ground (such as Helvellyn's summit plateau), to knee-deep drifts in sheltered areas and slopes in the lee of the wind. The greatest accumulations are found on steep north and east-facing slopes above 800m. Much of the snow was soft today, however, harder areas of refrozen snow are present at higher elevations, and ice is also beginning to develop in the form of verglas (black ice covering exposed rock) and refrozen wet snow and slush. Soft and unstable cornices are also present around corrie rims and should be given a wide berth. Large areas of potentially unstable windslab are also present along ridge flanks and steep scarp slopes. Striding and Swirral edge are in full winter condition and a steep bank of snow exists on their exit slopes. Any overnight precipitation is likely to fall as snow down to mid-elevations, therefore, anyone heading out tomorrow should be prepared for more snow and ice than described here. The windchill (feels-like) temperature on the top of Helvellyn today was around -10ºC and anyone standing still even for short periods of time would get very cold very quickly. Full winter clothing (warm and waterproof) including hats and gloves, a map, compass, and headtorch are all essential. For anyone considering steep and exposed routes above the snowline, an ice axe and crampons/microspikes are also essential. Goggles are also extremely useful/essential for route-finding and navigating safely in windy conditions. Temperature: minus 1.8C, Maximum wind speed 22.1mph, Wind chill: minus 10.8C, Average wind speed: 18.6mph

Issued at: 1106 on Sun 15 Jan 2023

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